

Storm Data and Unusual Weather Phenomena - March 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
KANSAS, Southeast				
RENO COUNTY --- 0.5 W PLEVNA [37.97, -98.31]				
	03/07/09 16:04 CST		0	Hail (0.88 in)
	03/07/09 16:04 CST		0	Source: Trained Spotter
A hail covered the ground.				
RENO COUNTY --- 0.9 NE ABBYVILLE [37.98, -98.19]				
	03/07/09 16:13 CST		0	Hail (1.00 in)
	03/07/09 16:13 CST		0	Source: Storm Chaser
RENO COUNTY --- 2.7 W PARTRIDGE [37.97, -98.13], 1.6 WNW PARTRIDGE [37.98, -98.11]				
	03/07/09 16:13 CST		0	Tornado (EF0, L: 1.32 mi , W: 75 yd)
	03/07/09 16:15 CST		0	Source: NWS Employee
A brief touchdown occurred in open country near High Point road just southwest of Hutchinson.				
RENO COUNTY --- 1.8 NE PARTRIDGE [37.99, -98.06], 2.6 NE PARTRIDGE [38.00, -98.05]				
	03/07/09 16:28 CST		0	Tornado (EF0, L: 0.81 mi , W: 75 yd)
	03/07/09 16:31 CST		0	Source: NWS Employee
The tornado was reported just to the west of the intersection of highways 61 and 50. The tornado touched down in an open field with no damage reported.				
RENO COUNTY --- 2.1 SSE (HUT)HUTCHINSON MUNI [38.04, -97.86], 2.2 SSE (HUT)HUTCHINSON MUNI [38.04, -97.85]				
	03/07/09 16:36 CST		0	Tornado (EF0, L: 0.48 mi , W: 75 yd)
	03/07/09 16:38 CST		0	Source: Official NWS Observations
Hutchinson tower observer reported the tornado just south of the airport runway and moving east. The tornado touched down in an open field with no damage reported.				
RENO COUNTY --- (HUT)HUTCHINSON MUNI [38.07, -97.87]				
	03/07/09 16:39 CST		0	Thunderstorm Wind (MG 51 kt)
	03/07/09 16:39 CST		0	Source: ASOS
HARVEY COUNTY --- 6.6 W HESSTON [38.14, -97.55], 6.1 W HESSTON [38.14, -97.54]				
	03/07/09 17:15 CST		0	Tornado (EF0, L: 0.47 mi , W: 75 yd)
	03/07/09 17:18 CST		0	Source: Storm Chaser
A brief tornado touchdown occurred in open country.				
MARION COUNTY --- 6.9 S HILLSBORO [38.25, -97.20]				
	03/07/09 17:44 CST		0	Hail (1.00 in)
	03/07/09 17:44 CST		0	Source: Trained Spotter
KINGMAN COUNTY --- 4.9 W KINGMAN [37.65, -98.21]				
	03/07/09 18:09 CST		10K	Hail (0.50 in)
	03/07/09 18:09 CST		0	Source: Public
The hail was one inch thick on Highway 54. This caused cars to slide off of the highway.				
SEDGWICK COUNTY --- 0.6 W COLWICH [37.78, -97.54]				
	03/07/09 19:19 CST		0	Hail (0.75 in)
	03/07/09 19:19 CST		0	Source: Law Enforcement
HARPER COUNTY --- 2.8 N ATTICA [37.27, -98.23], 3.1 N ATTICA [37.28, -98.22]				
	03/07/09 19:21 CST		0	Tornado (EF0, L: 0.50 mi , W: 75 yd)
	03/07/09 19:22 CST		0	Source: Storm Chaser

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A brief tornado touchdown occurred in open country.				
HARPER COUNTY --- 5.7 NE ATTICA [37.29, -98.16], 6.2 NE ATTICA [37.29, -98.15]				
	03/07/09 19:30 CST		0	Tornado (EF0, L: 0.53 mi , W: 75 yd)
	03/07/09 19:32 CST		0	Source: Storm Chaser
A brief touchdown occurred in an open field. A small debris cloud was also noted.				
HARVEY COUNTY --- 3.0 ESE ANNELLY [37.95, -97.15]				
	03/07/09 19:58 CST		0	Hail (1.75 in)
	03/07/09 19:58 CST		0	Source: Law Enforcement
BUTLER COUNTY --- 0.7 S POTWIN [37.94, -97.02]				
	03/07/09 20:06 CST		0	Hail (1.75 in)
	03/07/09 20:06 CST		0	Source: Emergency Manager
BUTLER COUNTY --- 4.8 E POTWIN [37.94, -96.93]				
	03/07/09 20:07 CST		0	Hail (1.75 in)
	03/07/09 20:07 CST		0	Source: Law Enforcement
SEDGWICK COUNTY --- 2.2 S CHENEY [37.60, -97.77]				
	03/07/09 20:08 CST		0	Hail (1.00 in)
	03/07/09 20:08 CST		0	Source: Law Enforcement
KINGMAN COUNTY --- 1.8 NE NORWICH [37.47, -97.83], 2.3 NE NORWICH [37.47, -97.82]				
	03/07/09 20:10 CST		0	Tornado (EF0, L: 0.69 mi , W: 75 yd)
	03/07/09 20:12 CST		0	Source: Storm Chaser
A brief tornado touchdown occurred in open country.				
HARVEY COUNTY --- 5.7 E SEDGWICK [37.91, -97.33]				
	03/07/09 20:23 CST		0	Hail (1.00 in)
	03/07/09 20:23 CST		0	Source: Law Enforcement
HARVEY COUNTY --- 2.3 WSW ANNELLY [37.96, -97.24]				
	03/07/09 20:30 CST		0	Hail (0.75 in)
	03/07/09 20:30 CST		0	Source: Trained Spotter
HARVEY COUNTY --- BURRTON [38.02, -97.67]				
	03/07/09 22:10 CST		0	Hail (0.88 in)
	03/07/09 22:10 CST		0	Source: Law Enforcement
MARION COUNTY --- 5.2 E PEABODY [38.18, -97.01]				
	03/07/09 22:35 CST		0	Hail (1.75 in)
	03/07/09 22:40 CST		0	Source: Law Enforcement
Quarter sized to golfball sized hail covered the ground between 70th and 80th road and Timber Road.				
MCPHERSON COUNTY --- MOUNDRIDGE [38.20, -97.52]				
	03/07/09 22:55 CST		0	Hail (0.88 in)
	03/07/09 22:55 CST		0	Source: Law Enforcement
The interaction of a quasistationary front and a dryline lead to discrete supercells developing across portions of Central and South Central Kansas during the late afternoon and evening hours of March 7th, 2009. Brief tornado touchdowns occurred just to the south of Hutchinson with the supercells along with hail up to golfball size.				
SUMNER COUNTY --- 6.1 W CALDWELL [37.02, -97.71]				
	03/09/09 18:55 CST		0	Thunderstorm Wind (EG 52 kt)
	03/09/09 18:55 CST		0	Source: Trained Spotter

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SUMNER COUNTY --- 0.6 E CALDWELL [37.03, -97.59]	03/09/09 19:03 CST		0	Thunderstorm Wind (EG 52 kt)
	03/09/09 19:03 CST		0	Source: Trained Spotter
SUMNER COUNTY --- 4.1 ENE CALDWELL [37.05, -97.53]	03/09/09 19:07 CST		0	Hail (0.75 in)
	03/09/09 19:07 CST		0	Source: Trained Spotter
COWLEY COUNTY --- 3.0 E WINFIELD [37.25, -96.92]	03/09/09 19:39 CST		0	Hail (0.75 in)
	03/09/09 19:39 CST		0	Source: Law Enforcement
COWLEY COUNTY --- 2.9 NE WINFIELD ARPT [37.20, -97.00]	03/09/09 19:41 CST		0	Hail (0.88 in)
	03/09/09 19:41 CST		0	Source: Law Enforcement
COWLEY COUNTY --- 0.4 SW BURDEN [37.32, -96.75]	03/09/09 19:58 CST		0	Hail (0.88 in)
	03/09/09 19:58 CST		0	Source: Fire Department/Rescue
COWLEY COUNTY --- 0.4 SW BURDEN [37.32, -96.75]	03/09/09 19:58 CST		0	Thunderstorm Wind (EG 52 kt)
	03/09/09 19:58 CST		0	Source: Fire Department/Rescue
BUTLER COUNTY --- 1.9 NE EL DORADO [37.84, -96.85], 1.9 NE EL DORADO [37.84, -96.85], 1.9 NE EL DORADO [37.84, -96.85], 1.9 NE EL DORADO [37.84, -96.85]	03/09/09 21:01 CST	1	10K	Flood (due to Heavy Rain)
	03/09/09 21:15 CST		0.10K	Source: Newspaper
Heavy rainfall caused ponding of water on North Main Street in El Dorado. This ponding of water caused a car to slide off the road into a rain swollen culvert. The heavy runoff carried the car 65 feet into a six by six culvert, where the driver became trapped and eventually drowned as water filled the car.				
Direct Fatalities: F15VE				
ALLEN COUNTY --- 1.1 ESE IOLA [37.92, -95.38]	03/09/09 22:22 CST		10K	Thunderstorm Wind (EG 52 kt)
	03/09/09 22:22 CST		0	Source: Law Enforcement
A semi tractor trailer was overturned a half mile south of the Highway 54 and Highway 169 intersection.				
Numerous thunderstorms developed just to the north of an advancing warm front located along the Kansas/Oklahoma border across portions of South Central Kansas. A few discrete supercells developed, which lead to wind gusts to 60 mph and hail up to dime size.				
CHAUTAUQUA COUNTY --- 2.8 ENE CEDAR VALE [37.11, -96.45]	03/20/09 19:50 CST		0	Hail (0.75 in)
	03/20/09 19:50 CST		0	Source: Public
CHAUTAUQUA COUNTY --- SEDAN [37.13, -96.18]	03/20/09 21:06 CST		0	Hail (0.75 in)
	03/20/09 21:06 CST		0	Source: Law Enforcement
The hail covered the ground.				
KINGMAN COUNTY --- 0.6 E KINGMAN [37.65, -98.11]	03/21/09 00:00 CST		0	Hail (1.00 in)
	03/21/09 00:00 CST		0	Source: Law Enforcement

Low to mid-level warm and moist air advection in concert with an approaching upper-level disturbance resulted in scattered strong to marginally severe thunderstorms across portions of south-central and southeast Kansas during the evening and overnight hours of the 20th. Hail up to quarter size affected Kingman in Kingman county.

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(KS-Z032) RUSSELL, (KS-Z033) LINCOLN, (KS-Z047) BARTON, (KS-Z048) ELLSWORTH, (KS-Z049) SALINE, (KS-Z050) RICE, (KS-Z051) MCPHERSON, (KS-Z052) MARION, (KS-Z053) CHASE, (KS-Z067) RENO, (KS-Z069) BUTLER, (KS-Z082) KINGMAN, (KS-Z083) SEDGWICK, (KS-Z093) COWLEY				
	03/23/09 10:24 CST		0.49M	High Wind (MAX 56 kt)
	03/23/09 17:55 CST		0	
SUMNER COUNTY --- 7.7 E SOUTH HAVEN [37.05, -97.26]				
	03/23/09 15:44 CST		0	Hail (1.25 in)
	03/23/09 15:44 CST		0	Source: Storm Chaser
SUMNER COUNTY --- 5.1 SSW GEUDA SPGS [37.05, -97.18]				
	03/23/09 15:51 CST		0	Hail (1.25 in)
	03/23/09 15:51 CST		0	Source: Storm Chaser
SUMNER COUNTY --- 0.7 S GEUDA SPGS [37.11, -97.15]				
	03/23/09 15:56 CST		0	Hail (1.00 in)
	03/23/09 15:56 CST		0	Source: Storm Chaser
SUMNER COUNTY --- 1.6 SSW GEUDA SPGS [37.10, -97.16], 1.3 S GEUDA SPGS [37.10, -97.15]				
	03/23/09 16:00 CST		0	Tornado (EF0, L: 0.45 mi , W: 75 yd)
	03/23/09 16:03 CST		0	Source: Amateur Radio
Brief tornado touchdown in open country. Report courtesy of KAKE TV storm chaser.				
COWLEY COUNTY --- 5.2 WNW ARKANSAS CITY [37.11, -97.13], 4.8 NW ARKANSAS CITY [37.11, -97.12]				
	03/23/09 16:06 CST		10K	Tornado (EF0, L: 0.72 mi , W: 75 yd)
	03/23/09 16:08 CST		0	Source: Emergency Manager
Tree damage was noted along the Arkansas River.				
COWLEY COUNTY --- 2.8 NNW ARKANSAS CITY [37.11, -97.06]				
	03/23/09 16:13 CST		0	Hail (1.00 in)
	03/23/09 16:13 CST		0	Source: Storm Chaser
COWLEY COUNTY --- 1.5 SSE WINFIELD ARPT [37.15, -97.02], 1.5 SE WINFIELD ARPT [37.15, -97.01]				
	03/23/09 16:15 CST		0	Tornado (EF0, L: 0.47 mi , W: 75 yd)
	03/23/09 16:16 CST		0	Source: Storm Chaser
Brief touchdown in open country.				
COWLEY COUNTY --- 3.4 ENE WINFIELD ARPT [37.18, -96.97]				
	03/23/09 16:16 CST		0	Hail (1.00 in)
	03/23/09 16:16 CST		0	Source: Storm Chaser
COWLEY COUNTY --- 5.7 ENE WINFIELD [37.27, -96.88], 6.2 ENE WINFIELD [37.27, -96.87]				
	03/23/09 16:35 CST		0	Tornado (EF0, L: 0.48 mi , W: 75 yd)
	03/23/09 16:36 CST		0	Source: Law Enforcement
Brief touchdown in open country.				
SALINE COUNTY --- 0.5 W GYPSUM [38.70, -97.43]				
	03/23/09 16:59 CST		0	Hail (1.00 in)
	03/23/09 16:59 CST		0	Source: Trained Spotter
SALINE COUNTY --- 2.6 NW GYPSUM [38.73, -97.45]				
	03/23/09 16:59 CST		0	Hail (0.75 in)
	03/23/09 16:59 CST		0	Source: Trained Spotter
ELK COUNTY --- 7.9 NNE HOWARD [37.58, -96.23]				

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	03/23/09 17:37 CST		0	Hail (1.00 in)
	03/23/09 17:37 CST		0	Source: Law Enforcement
MARION COUNTY --- 0.5 E LOST SPGS [38.57, -96.96]				
	03/23/09 21:20 CST		0	Hail (0.88 in)
	03/23/09 21:20 CST		0	Source: Law Enforcement
SEDGWICK COUNTY --- 5.5 NNE VALLEY CENTER [37.90, -97.32]				
	03/23/09 22:57 CST		0	Hail (1.00 in)
	03/23/09 22:57 CST		0	Source: Public
SEDGWICK COUNTY --- 0.7 S ANDALE [37.79, -97.63]				
	03/23/09 23:02 CST		0	Hail (1.00 in)
	03/23/09 23:02 CST		0	Source: Public
LABETTE COUNTY --- 0.8 NE EDNA [37.06, -95.36]				
	03/24/09 04:02 CST		0	Hail (1.00 in)
	03/24/09 04:02 CST		0	Source: Law Enforcement
Winds to 70 mph also occurred.				
LABETTE COUNTY --- 0.9 NE EDNA [37.06, -95.36]				
	03/24/09 04:02 CST		0	Thunderstorm Wind (EG 61 kt)
	03/24/09 04:02 CST		0	Source: Law Enforcement
Quarter size hail occurred as well.				
<p>Widespread very strong southerly winds affected much of central and south-central Kansas from the late morning through the afternoon hours on the 23rd, in response to a strong dry line and cold front approaching from the west and northwest. Widespread sustained wind speeds were between 40 and 45 mph, with numerous gusts around 60 mph. Structural damage was relatively minor, limited mainly to shingle and trim damage. However, a portion of the roof from the Wiley building in downtown Hutchinson peeled off, blocking off main street for a time. Many semi-trucks overturned on east-west running highways, including Highways 50 and 56, and Interstate 70. Several power poles and power lines were downed across the area, resulting in thousands of power outages. The downed power lines also ignited rapidly spreading grass fires. However, little is known regarding the coverage, magnitude or severity of these fires. As the afternoon progressed, strong to severe thunderstorms ignited along the advancing dry line and cold front, producing up to half dollar size hail, 70 mph winds and a handful of brief, relatively weak tornadoes.</p>				
(KS-Z047) BARTON, (KS-Z050) RICE, (KS-Z051) MCPHERSON, (KS-Z052) MARION, (KS-Z067) RENO, (KS-Z068) HARVEY, (KS-Z082) KINGMAN, (KS-Z083) SEDGWICK, (KS-Z091) HARPER, (KS-Z092) SUMNER				
	03/27/09 05:00 CST		2.67M	Blizzard
	03/28/09 14:06 CST		0	
(KS-Z032) RUSSELL, (KS-Z033) LINCOLN, (KS-Z048) ELLSWORTH, (KS-Z049) SALINE, (KS-Z053) CHASE, (KS-Z069) BUTLER, (KS-Z070) GREENWOOD, (KS-Z071) WOODSON, (KS-Z072) ALLEN, (KS-Z093) COWLEY, (KS-Z094) ELK, (KS-Z095) WILSON, (KS-Z098) CHAUTAUQUA, (KS-Z099) MONTGOMERY				
	03/27/09 06:00 CST		11.07M	Winter Storm
	03/28/09 17:59 CST		0	
(KS-Z096) NEOSHO, (KS-Z100) LABETTE				
	03/27/09 10:00 CST		20K	Winter Weather
	03/28/09 17:59 CST		0	

A late season winter storm of record breaking proportions struck central, south-central and southeast Kansas March 27-28, 2009. Heavy snow with blizzard conditions affected much of central and south-central Kansas, with accumulations exceeding 18 inches for some locations. Numerous buildings with mainly flat-topped roofs received various degrees of roof damage, some of which was rather extensive due to the weight of the heavy, wet snow. Many travelers became stranded due to the deep snow and blizzard conditions, some of which needed rescue by the National Guard. Meanwhile, sleet and freezing rain was the main culprit farther east across portions of south-central, east-central and southeast Kansas. Sleet accumulations up to 4 inches and ice accumulations up to three-quarters of an inch downed numerous trees, tree limbs, power poles and power lines, causing tens of thousands of power outages. The snow packed and icy roads aided in an uncountable number of auto accidents areawide. Two fatalities were attributed to the winter storm, with several injuries, most of which were due to auto accidents.

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Up to 16 inches of snow accumulation along with strong winds resulted in massive snow drifts across portions of central and south-central Kansas, including this photo from near Ellinwood.